Laser Shot has developed cutting-edge virtual firearm training and simulations since 1999. The key to the full-spectrum immersive experience is the attention to detail dedicated to every aspect of the simulator – from the vivid HD projection system to the true-to-life look, feel, and function of Laser Shot simulated weapons.

The Laser Shot team of software engineers, live-fire range specialists, and firearm engineers provide virtual training solutions to federal, state, and local law enforcement units while strictly adhering to training doctrine.

Laser Shot simulators feature the smallest footprint, fastest setup time, and most options in the industry and are utilized by departments in every state. These systems are designed from the ground up for ease-of-use by the end user with no contractor support required.

The following summarized list of products and services will serve to demonstrate how Laser Shot represents a low-risk, best-value solution to the training needs of modern law enforcement.
Laser Shot simulators lead the market in durability, performance, options, and software capabilities with the largest and most in-depth judgmental scenario library available.

The following training solutions feature technology that has been well-tested and developed with input from law enforcement subject matter experts.

- **SIMRANGE**: Ultra-Short Throw Simulator
- **MMTS COMPACT**
- **CURVED SCREEN SYSTEM**
- **CLOSE QUARTERS BATTLE SIMULATOR**
Ultra short throw projector
2 Mounting points for overhead installation
3 Built-in self-calibrating hit detection camera
4 Durable rolling case included with portable packages

**SPECS**

- Weight: 11 lbs
- Width: 11 in.
- Depth: 14.7 in.
- Height: 4.9 in.

**COMPONENTS**

1 Laser Shot’s SimRange™ enables ultra-short throw projectors with integrated hit detection cameras to be installed within 18” of the projection surface reducing the overall footprint required.

The SimRange™ is scalable and can be delivered in multiples of three lanes per screen allowing for expansion to meet throughput requirements.

In the past, firearms simulators required installing an independent laser hit detection camera adjacent to the projector, requiring careful positioning and calibration during each setup. The SimRange™ eliminates this task by integrating the laser hit detection camera inside the projector, ensuring constant alignment and readiness to begin training.

The SimRange™ can be placed within 18” of the projection surface due to its ultra-short throw technology. This enables smaller rooms or spaces to be converted into virtual ranges for safe, effective training without the need for ballistic facilities or live weapons and ammunition.

The SimRange™ is typically sold in a package with Laser Shot’s Judgmental Training Software (JTS) for use-of-force training. These packages include various training devices, such as simulated tasers or other non-lethal weapons.
Simulator training environments are completely independent of live fire range access or weather conditions. Students can maintain aggressive training tempos and instructors can provide better training oversight to beginner, intermediate, and advanced marksmen. Simulators develop key technical skill sets that build proficient and experienced Law Enforcement Officers.

Use-of-Force scenarios challenge individuals’ decision-making skills and reaction times to potential threats that Law Enforcement Officers may encounter. Through repetitive simulations with instructor-controlled threat escalation or de-escalation, leaders can see how Law Enforcement Officers respond in active shooter situations and train to build confidence in their skill sets. Simulators with use-of-force training capabilities and a user-friendly built-in scenario editor enable instructors with basic computer skills to create or modify complex scenarios that are relevant to training.

Simulation builds upon core marksmanship training fundamentals and significantly challenges Officers’ intermediate and advanced skills. Small arms weapon qualification is a fundamental requirement for all Officers, and as firearm proficiency is a perishable skill, it requires repetitive training to maintain and improve. SimRange courseware was written in adherence to the standards set by the US Military and top US Law Enforcement agencies, and builds readiness and skills through repetitive Preliminary Marksmanship Instruction (PMI) training.
Smallest footprint
fastest setup time

The SimRange features a built-in hit detection camera. This simple innovation significantly reduces the time needed for setup and calibration, compared to other simulators. The operator station and accessories consist of two monitors and keyboards for individual control of instructor station and primary screen. All accessories are packed in a ruggedized wheeled hard case for transport. SimRange is considered a “Plug and Play” solution that is designed specifically for the marksmanship training needs of Law Enforcement.

Setting up the SimRange is an intuitive process that requires very little time or manpower. After one introductory training session, a single operator will be able to complete the setup, which includes camera calibration, and be ready for training in 10 minutes or less. Ultra-short throw technology for projection and hit detection capabilities make Laser Shot’s SimRange the smallest footprint in the industry, which can be set up in a 10’x10’ room or area, and can operate in most light environments.
MMTS COMPACT
IDEAL HOME STATION TRAINING SIMULATOR

The compact version of the MMTS houses many of the same features as the full size model, while reducing footprint size, weight, and cost. This single-console simulator utilizes a similar MIL STD 810G case with a slightly smaller stature and a projector with shorter throw. The MMTS Compact’s single console design utilizes a laptop as an instructor station.

FEATURES
- MIL STD 810G durable rolling case (highest shockmount rating)
- Single-console performance
- Integrated instructor control station (ICS)
- Vivid 1080p projection

COMPONENTS
1. MIL STD 810G (highest shockmount rating) durable rolling case
2. 1080p Short-Throw Projector
3. Dual Hit Detection Cameras
4. Gaming Console
5. Speaker System

SPECs
- Weight: 95 lbs
- Width: 24 in.
- Depth: 34 in.
- Height: 14 in.
Laser Shot Simulations’ Curved Screen Simulators have modernized the immersive virtual training industry by utilizing a curved, seamless screen, providing an uninterrupted image, offering the most realistic virtual firearms training experience.

Immersive training replicates and enhances the training an officer would receive on a traditional shooting range. This offers a large variety of targetry, qualification courses, and skill drills. Officers can fine tune their small arms fundamentals with Skill Drills training modules as well as put themselves into realistic branching scenarios with JTS - Judgmental Training Software.

**FEATURES**

- Seamless curved projection screen
- Image warping/blending software
- Structural supports
Laser Shot’s Close Quarters Battle (CQB) Simulator features realistic, life-sized avatars that are projected onto wall surfaces and react as authored by the user-friendly editing module within the instructor control station. Animations mimic kneeling, crouching, walking, running, taking cover, escalating hostility, firing, reloading, wounding, and death.

Another important factor in CQB training is the ability to enter and clear rooms without interfering with the projection or hit detection. Laser Shot solved this issue by implementing SimRange ultra-short throw projection technology. SimRanges are installed overhead to allow for freedom of movement without obstacles or trip hazards, and to enable officers to approach virtual targets within 3’ without interrupting the projection. Hit detection cameras are embedded in each SimRange unit to capture the impact location of the training weapon. Laser Shot’s Virtual Shoot House is easily expandable and re-configurable to meet the customer’s requirements should they ever change in the future.

Laser Shot provides virtual targetry solutions in existing CQB facilities, both ballistic and non-ballistic, or classroom environments. Likewise, Laser Shot offers a variety of ballistic or non-ballistic structures that provide customers with a turn-key solution. Laser Shot’s virtual targetry operates with simulated weapons that emit lasers for a more controlled, safety conscious training or can be fitted with thermal cameras that allow for the usage of the officer’s own service weapons and ammunition. Providing the ballistic construction of the facility, Laser Shot can accommodate either or both technologies.

**FEATURES**

- Accurate target sizing ratio
- Monolithic instructor control station
Laser Shot recognizes that the key to successful training comes from a combination of both hardware and software. To that end, Laser Shot continually updates a library of realistic, effective, and doctrine-based courseware with our in-house team of software engineers in conjunction with law enforcement subject matter experts.

By writing our courseware straight from law enforcement and federal qualification manuals, officers are able to train for live-fire events that they may encounter in the future.

Laser Shot understands that organizations may have different training needs and works with end users to develop specific courseware that meets their requirements.

20 JTS: Judgmental Training Software
21 JTS Editor
22 PMI
23 COURSE OF FIRE
24 KD RANGE
25 SKILL DRILLS 1, 2 & 3
26 LVS: Laser Shot Virtual Shoot House
Judgmental Training Software (JTS) is designed to challenge cognition through the use of real life interactive simulated scenarios. The scenarios were designed based on real life exposure to emergent threats in the law enforcement and military communities. As the student reacts to the scenarios presented to them, the instructor has the ability to manipulate the scenario based on the student’s presentation of their organization’s force continuum. The instructor also has the ability to save progress and conduct after action reviews (AARs) which aid in continued coaching, mentoring, and reinforcing organizational standard operating procedures.

With over 900 training scenarios to choose from in the JTS library, from responding to a domestic disturbance or burglary to more complex branching scenarios such as active shooter and concealed carry scenarios, the instructor has the ability to challenge the student all while reinforcing the force continuum.

In a controlled environment the instructor can provide an atmosphere indicative of situations where the student may be required to take cover, move towards or away from a perceived threat, and to draw and fire from behind cover, all while verbally working through the threat as if their life was truly in danger. Included in this package is a remote tablet used as the instructor station, which does not restrict the instructor to a static position. This allows for the instructor to give personal critique and display a shot by shot after action review to the student.

While training, the instructor can manually direct the scenario to create multiple outcomes based on the student’s interaction, reinforcing communication and deeper understanding of the use-of-force continuum.

An optional add-on is a user-friendly built-in scenario editor, which enables instructors with basic computer skills an opportunity to effortlessly create or modify complex scenarios to their specifications. Easy to use tools such as advanced zoning options, and simple drag-and-drop controls support the act of importing scenarios into the design canvas. This creates a simple platform for generating new simulations and branches that are automatically generated and displayed in a top-down, real-time 3D, hierarchal view.
PMI

• A self-paced interactive courseware designed specifically for small arms development, sustainment and qualification, that adheres strictly to the doctrines of all services. When the officer achieves an optimum shot group, the zeroing process will walk them through adjusting physical sights on simulated weapons.

Upon successful zeroing, the shooter will transition to a qualification course and qualify using all tables and appropriate rounds. An AAR will illustrate each shot location and differentiate tables by color. Final scores will post for review and results can be printed or exported to a spreadsheet for training records. PMI features a comprehensive library of training courses, such as standard popup ranges, pistol qualification ranges, courses of fire, and Military Police qualification ranges. With a 14’ portable screen, four lanes can be simulated simultaneously. Laser Shot maintains accurate perspective calculated for exact target size to distance ratio.

COURSE OF FIRE

Laser Shot’s Course of Fire™ supports qualification requirements for Basic Marksmanship Instruction by enabling instructors at any level of computer knowledge, skill, or ability, to replicate any physical firing range and target condition. Course of Fire provides up to 4 individual qualification lanes per Virtual Range set, all operated through a single dedicated IOS or remote tablet. The user-friendly GUI features include a simple menu interface for selecting and inputting shooters, selecting courses, course editing, and developing and exporting training reports to reflect student performance and progress.

Course of Fire has unique and user-friendly course editor options to create virtually any qualification course. Laser Shot’s Course of Fire supports qualification requirements for Basic Marksmanship Instruction by enabling instructors at any level of computer knowledge, skill, or ability, to replicate any physical firing range and target condition. Course of Fire provides up to 4 individual qualification lanes per Virtual Range set, all operated through a single dedicated IOS or remote tablet. The user-friendly GUI features include a simple menu interface for selecting and inputting shooters, selecting courses, course editing, and developing and exporting training reports to reflect student performance and progress.

Additional lanes can be added by networking more systems, as seen with the 72 lane system at FLETC - the Federal Law Enforcement Training Centers.
SKILL DRILLS 1, 2 & 3

Skill Drills are advanced drills that significantly increase marksmanship proficiency. Laser Shot Simulations skill building exercises develop strong transferable skills that carry over into live-fire applications. Included are various training drills that focus on the improvement of Officers’ speed, accuracy, and reaction times. Designed by subject matter experts in advanced firearms training, drills are designed to focus on critical eye and hand coordination while introducing stressors like timers, no shoot targets, reflexive fire, and head-to-head competition with other officers to reinforce urgency in speed and accuracy.

Each drill has adjustable settings to allow for the progression of training and determining degree of difficulty required to challenge all skill levels to perform better. Drills can be used with any simulated weapon types.

CURRICULUM

A KD range has three primary objectives: fire tight shot groups at a known distance, make sight adjustments at range while experiencing the effects of wind and gravity, and marksmanship testing. The firing task on a KD range is an intermediate step toward the firing task of an officer. Information concerning the precise hit-or-miss location of every bullet fired is provided. KD firing is conducted with a single, clearly visible target at a known distance, and the officer can establish a position that provides a natural point of aim on that single target.
LVS
LASER SHOT VIRTUAL SHOOT HOUSE

Laser Shot Virtual Shoothouse (LVS) courseware simulates realistic close quarter engagement scenarios with life-sized 3D character models to mimic the movements and reactions of real humans.

LVS incorporates an easy to use and intuitive user interface allowing the instructor to quickly manipulate and configure the training system from the operator station. The LVS courseware allows for the authoring of scenarios and offers an extensive after action review capability which provides detailed data on shot placement.
In order to fully immerse trainees and provide unforgettable muscle memory, a comprehensive virtual training system should include realistic simulated weapons or recoil kits for real firearms.

Laser Shot designs, manufactures and assembles a variety of simulated firearms solutions ranging from sidearms to crew-served weapons at our state-of-the-art engineering facility in Sugar Land, Texas.

- **DRY-FIRE & RECOIL**
- **SIMULATED WEAPONS**
- **NON-LETHAL SIMULATED WEAPONS**
- **C/CAT:** Cover/Concealment Angle Trainer
- **ROUND COUNT MAGAZINES**
- **CROSSHAIR:** Magnified Optics Simulator

**WEAPONS & ACCESSORIES**
Simulated weapons can be separated into two basic categories: Dry-Fire and Recoil.

**DRY-FIRE**
- Dry-Fire weapons emit a visible or infrared laser when the trigger is pressed.

**RECOIL**
- Recoil weapons cycle the bolt through CO2 or compressed air via refillable barrel reservoirs for tetherless weapons or air compressor systems for crew-served models. Laser Shot’s recoil weapons are built around real weapon components, such as triggers or feed tray covers, but are modified and stamped “not a firearm”.

Laser Shot was the first to utilize barrel reservoir technology instead of magazine reservoirs for many reasons. Not only can a barrel reservoir fire a complete combat load without refilling, but simulated magazine reloads become more realistic (and less maintenance-prone) without the air seal between the magazine and the weapon.
SIMULATED SMALL ARMS

Laser Shot's in-house team of firearm engineers has created simulated versions of countless small arms and are constantly adding more models to the available collection.

**SIM4**
- Laser Shot's team of firearm engineers built the SIM4 around a true-to-life trigger mechanism and equipped it with realistic form, fit, and function to that of the M4/M16 series of rifles. Available in dry-fire or recoil configurations, this training weapon is currently used by elite military and law enforcement units worldwide to instill unforgettable muscle memory during virtual phases of their training regimens.

**SIM7**
- Designed by firearm engineers to replicate the form, fit, and function of prolific polymer-framed sidearms, the SIM7 instills unforgettable muscle memory into the user with its true-to-life trigger weight, take-up, and reset. This simulated firearm can be outfitted with the user’s choice of a visible laser for standard dry-fire training or an 850nm infrared laser for integration with Laser Shot virtual firearm training simulators.

**SIM870**
- Featuring functional pump action and true-to-life form, fit, and function, the SIM870 is modeled after the iconic police shotgun and is ideal for virtual qualifications and drills.

**M4 RECOIL**
- A training weapon is only as realistic as its trigger pull weight, take-up, and reset. Laser Shot is the first simulator company to design our pneumatic recoil to be filled inside barrel reservoirs instead of the magazines. The barrel reservoirs can be filled with a CO2 adapter on a CO2 tank with siphon tube. Since magazine changes are required more frequently during normal training, the seals are commonly worn out and cause increase air leaks. Laser Shot improved this feature by leaving the magazines inert and constructed air reservoirs inside the barrels. No additional accessories to the weapon are required that would not normally be standard issue. This design allows for a higher fidelity simulated weapon. Synthetic audio is not necessary because the mechanical action is sufficient to replicate the cracking of the weapon begin fired. All assist in working towards mitigating flinching or anticipation of recoil.
Laser Shot’s training systems are centered around marksmanship and the use-of-force continuum. To that end, a line of realistic non-lethal simulated weapons is available for officers to train on every step of deescalation to ensure that threats in the virtual environment are met with the correct tier of force.

- When the simulated X2’s trigger is pressed during JTS scenarios, the suspect in the simulation will react as though a taser has been deployed. This shot is then recorded in the software for AAR purposes.
- The IR Flashlight Trainer is an infrared laser-based training device that, upon activation, illuminates the screen in low-light scenarios.
- Designed to match the dimensions of standard-issued OC Spray devices, when the trigger is pressed, characters in select HD scenarios will react as if OC Spray has been deployed.
- Constructed from a standard ASP model baton, a kinetic switch is activated when swung by an officer that elicits a corresponding response from suspects in JTS scenarios.
**C/CAT COVER/CONCEALMENT ANGLE TRAINER**

Laser Shot’s C/CAT is a portable, modular barrier system that enables shooters to utilize cover and concealment, enhancing simulated and force-on-force training scenarios.

Barricades measure 4’x6’ and are built with modularity in mind. A C/CAT can be configured to replicate obstacles found in the field, such as doorways, hallways, corners, and other architectural layouts. Barriers also incorporate 2’x2’ removable panels to create apertures and windows.

Each C/CAT system is comprised of two barricades which can be set up and torn down in minutes. The entire system packs easily into a single case measuring 13’x39’ and weighs only 46 lbs.

**ROUND COUNT MAGAZINES**

Laser Shot has developed simulated magazines capable of adjustable round counts for both rifle and pistol weapon platforms. When the number of shots fired equals the round count setting, a follower is actuated to lock the bolt or slide to the rear, replicating the physical characteristics of an empty weapon.

Officers must physically eject the magazine and press down on the actuator to reset/reload and re-insert it to the magazine well to resume firing. Each magazine replicates the weight and feel of a real magazine and feature true-to-life dimensions for seamless carrying in tactical gear or duty belts for reload drills.

**FEATURES**
- Micro USB charging port
- Adjustable round counts
- Models available for nearly any weapon system
Crosshair™ Magnified Optics Simulator is a unique, high-fidelity training simulator for distance shooting and the use of long-range optics. By utilizing microdisplays embedded in a variety of optic housings, Laser Shot is able to offer snipers, marksmen, and observers the ability to use virtual magnified optics to execute tactical scenarios incorporating observation, cover, and engagement.

Crosshair simulated weapons or optic devices contain an always-on infrared laser that the detection camera tracks for aim data. This aim data is used to produce the magnified image that is displayed in the virtual scope. In the case of weapons, when a trigger pull is sensed, a shot will be created at the aim point. Crosshair’s simulated rifle scope has functioning elevation and windage turrets along with adjustable focus and zoom rings.

FEATURES
- Realistic ballistics engine
- Conduct mission rehearsal
- Can replicate long range engagement inside a classroom
- Train for windage, elevation and distance factors without the need for live-fire
- Multiple weapon and optic platforms can be networked together within the same scenario for collective training
- Multiple optic models available
CROSSHAIR™ SIMULATED OPTICS

RIFLE SCOPE
- Features functional windage and elevation turrets, as well as standard eye relief for a long range optic of its size.

SPOTTING SCOPE
- Ideal for sniper/spotter team training and features realistic zoom and focus adjustments.

SIM RCO NON-ELECTRONIC OPTION
- Magnified view is achieved using specialized lenses within the mock optic body, allowing the shooter to focus on the projection surface.
- Crosshair™ technology can be adapted to any physical optic. Our team of firearm engineers are standing by to create custom training devices to meet specialized training requirements.

CROSSHAIR™ SIMULATED WEAPONS

M4 RECOIL
- When paired with the SIM RCO, this simulated weapon offers a tetherless option to train designated marksmen.

M24
- This simulated weapon features a real M24/Remington 700 action and Harris bipod for realistic precision marksmanship training.

M110
- Modified from a real weapon system, this training device mimics special purpose rifles found in all services and elite law enforcement units.
Shooting Range Technologies™ is a leading authority on live-fire range design, fabrication and equipment. With more than seventy combined years of industry experience, SRT personnel are uniquely qualified to take on your range project and complete it on time and within budget. We use the very latest in computer aided design technology, and operate some of the largest computer driven dual-head water jet cutting machines in North America. As the live-fire division of Laser Shot, Inc., and previously operating solely under the Laser Shot name, SRT has been designing, fabricating and equipping specialized, 360-degree containment / zero SDZ live-fire shooting range facilities since 2005.

Ranges to fit any need:
Products include SRT’s Modular Ranges, Mobile Ranges, Container Ranges, and Shoot Houses. We’ll even help you with your custom conventional style range if you like. We have built and supplied range facilities for every branch of the U.S. military, including SOCOM; foreign militaries, including the Canadian Special Forces; DHS / ICE / Border Patrol; and The Federal Reserve; as well as Law Enforcement Agencies and Civilian/Commercial customers, worldwide. Even Sturm, Ruger & Co., one of the world’s largest firearms manufacturers, after exhaustive research, chose SRT to design, build and outfit their new, modular live-fire testing facilities in two of their manufacturing plants.

48 THERMAL SHOT: Live-Fire Virtual Targetry System
50 CONTAINERIZED RANGE: Compact Live-Fire Facility
52 MOBILE RANGE: Towable Shooting Solution
54 MODULAR SMALL ARMS RANGE: Relocatable Shooting Solution
56 SVALIN BULLET TRAPS
THERMAL SHOT™
LIVE-FIRE VIRTUAL TARGETRY SYSTEM

Thermal Shot™ technology is the exclusive live-fire solution that ensures the entire target wall is tracked. This implies that all areas of the screen will accurately track and register projectiles, resulting in zero blind spots and rogue shots. As a projectile passes through or strikes the Thermal Shot™ screen, the thermal camera detects and measures the locations of those strikes, instantly mapping the strikes to the projected images. The computer responds immediately with the correlating results which may include depictions of death, wounding, chipping, splintering, or other realistic bullet impacts.

COMPATIBLE WITH:
- Live rounds
- Training munitions (UTM®/Simunition®)
- Soft Air
- Rubber Projectiles

RANGES

44 LASER SHOT 2019 PRODUCTS

45 RANGES
SRT installs the latest shooting range technologies in a compact self-contained unit through the use of modified 40’ shipping containers, which can be connected end-to-end for a maximum shooting distance of 100 meters. These ranges are in use by firearm manufacturers who need a testing range, police and military units who have frequent training and qualification needs.

 Optionally, Laser Shot’s powerful Thermal Shot technology can transform each Container Range into a virtual training center featuring challenging software with moving targets at simulated distances.

**FEATURES**
- Bullet trap options (granulated rubber, snail, Svalin, etc)
- HVAC system
- Soundproofing
- Exterior / interior paint
- Virtual targetry with Thermal Shot technology
- Interior lighting
- Instructor control station
MOBILE RANGE
TOWABLE SHOOTING SOLUTION

• SRT’s Mobile Range is a completely self-contained live-fire training facility, transportable by standard over-the-road methods, without special permitting. Available in several target distances including 7, 10, and a 25 yards/meters. A ‘drive-up’ solution providing on-site, live-fire training. The Mobile Range can be customized to include monorail targets, shooting booths and/or Laser Shot’s Thermal Shot™ live-fire simulator. Other custom options available.

FEATURES

• Bullet trap options
  (granulated rubber, snail, Svalin, etc.)
• HVAC system
• Soundproofing
• Exterior / interior paint
• Virtual targetry with Thermal Shot technology
  • Interior lighting
  • Instructor control station
  • Simulated Weapons
  • Software
  • Screen
SRT’s Modular Small Arms Range (MSAR) provides an equipment-based, zero-surface-danger-zone, alternative solution to the standard constructed indoor firing range. The MSAR can either include the weatherproof enclosure, or be assembled inside an existing building. It includes all range systems such as OSHA/NIOSH/EPA/ASHRAE compliant HEPA-filtered ventilation, ballistic containment, sound isolation, target, lighting, communication and emergency systems. Control rooms, storage space and classrooms, as well as a choice in bullet trap and target styles; including patented Thermal Shot™ Live-fire Virtual Targetry are available. MSAR is a turnkey solution—just provide a solid, level foundation/support and utility connections and we do the rest! Modular prefabrication drastically shortens acquisition time and simplifies procurement requirements.

**FEATURES**

- All-fastener / no-weld design
- Hurricane-proof exterior skin
- Can be installed in existing structure
- Nearly limitless custom options available

MODULAR SMALL ARMS RANGE
RELOCATABLE SHOOTING SOLUTION
The Svalin Bullet Trap is the latest addition to the options offered by Shooting Range Technologies in partnership with Odin Target. Designed to maximize shooting distance and contain bullets first from varying angles, the Svalin is virtually maintenance-free while withstanding high loads (Approx. 950,000 per square meter before maintenance is required).

The Svalin is covered with a self-healing rubber later that eliminates ricochets and provides a surface for virtual targetry to be projected upon. These bullet traps can be installed in 360-degrees, creating an immersive shooting experience.